

In the claims:

1 - 37. (Cancelled)

38. (Previously presented) A coated paper substrate configured for printing a toner image thereon, comprising:

a paper substrate;

an underlayer coating, applied directly on the substrate, wherein the underlayer coating comprises amine terminated polyamide; and

an overlayer coating, applied directly on the underlayer coating, comprising a polymer material to which the toner image can be fused and fixed.

39. (Cancelled)

40. (Previously presented) The coated substrate according to claim 38 wherein the overlayer coating is free of particulate matter.

41. (Previously presented) The coated substrate according to claim 38 wherein the polymer material comprises styrene butadiene copolymer.

42. (Previously presented) The coated substrate according to claim 38 wherein the polymer material comprises ethylene acrylic acid copolymer.

43. (Previously presented) A paper-based print media for printing a toner image thereon, comprising:

a paper substrate coated with an underlayer having a high affinity for the substrate, and an overlayer having a high affinity for toner, wherein the underlayer and the overlayer have high affinity for each other;

wherein the underlayer is applied directly to the substrate and comprises amine terminated polyamide; and

wherein the overlayer is applied directly to the underlayer and comprises a polymer material defining an outer surface to which the toner image can be fused and fixed.

44. (Canceled)

45. (Previously presented) The print media according to claim 43 wherein the underlayer is free of particulate matter.

46. (Previously presented) The print media according to claim 43 wherein the overlayer comprises styrene butadiene copolymer.

47. (Previously presented) The print media according to claim 43 wherein the overlayer comprises ethylene acrylic acid copolymer.

48. (Withdrawn, currently amended) A method of producing a coated paper substrate to which a toner image can be adhered, comprising:

coating a paper substrate with an underlayer comprising amine terminated polyamide; and

coating the underlayer with a polymer material to form an overlayer on the underlayer, wherein the overlayer has a high affinity for the underlayer and an outer surface to which the toner image can be applied.

49. (Canceled)

50. (Canceled)

51. (Withdrawn, currently amended) The method of claim 48, wherein coating the paper substrate comprises applying 0.1 to 0.3 grams of solids to the paper substrate per square meter of the paper substrate.

52. (Withdrawn, currently amended) The method of claim 48, wherein coating the paper substrate comprises:

mixing a 19-to-1 ratio of 1-Propanal to Macromelt 6239 (Henkel);
stirring the mixture; and
heating the mixture to between 40 degrees C. and 50 degrees C., until a homogeneous and clear 5% solids solution is obtained.

53. (Withdrawn, currently amended) The method of claim 48, wherein coating the paper substrate comprises:

coating the paper substrate with a partial solids solution; and
letting the partial solids solution dry.

54. (Withdrawn) The method of claim 53, wherein the partial solids solution is a 5% solids solution.

55. (Withdrawn) The method of claim 48, wherein coating the underlayer comprises:

combining deionized water and isopropyl alcohol to form a mixture;
cooling the mixture; and
adding the mixture to a dispersion of MP 4990.

56. (Withdrawn) The method of claim 55, wherein the dispersion of MP 4990 is in a range of 32% to 35%.

57. (Withdrawn) The method of claim 48, wherein coating the underlayer comprises:
applying 0.3 to 0.5 grams of the polymer material per square meter of underlayer.

58. (Withdrawn) The method of claim 48, wherein coating the underlayer comprises:
drying the underlayer before applying the outerlayer.